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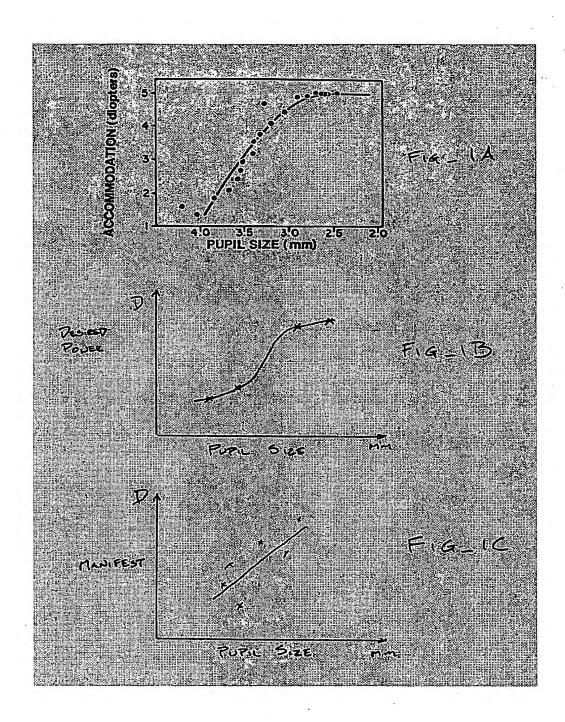
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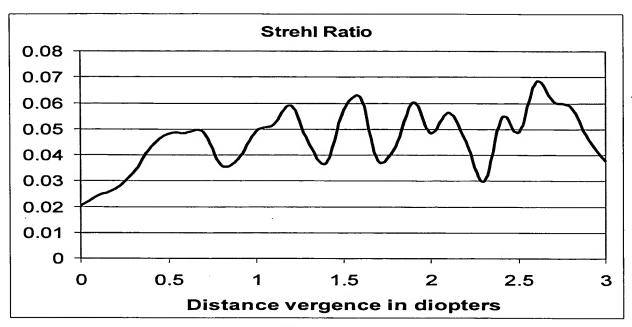


Fig. 2A

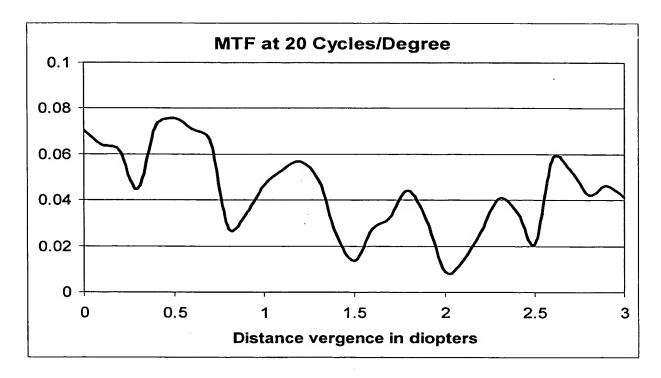
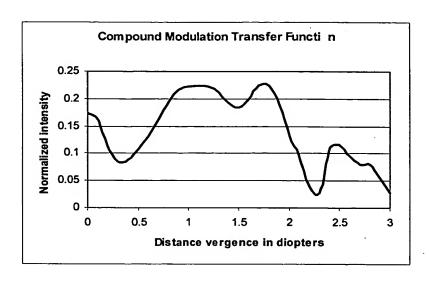


Fig. 2B



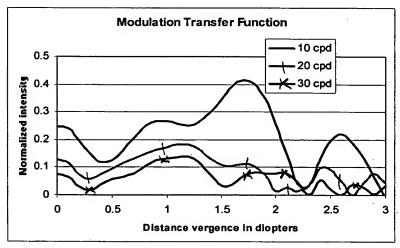


FIG. 2C

An example of the compound MTF (upper panel) versus its corresponding individual MTF curves at 10, 20, and 30 cpd (cycles per degree).

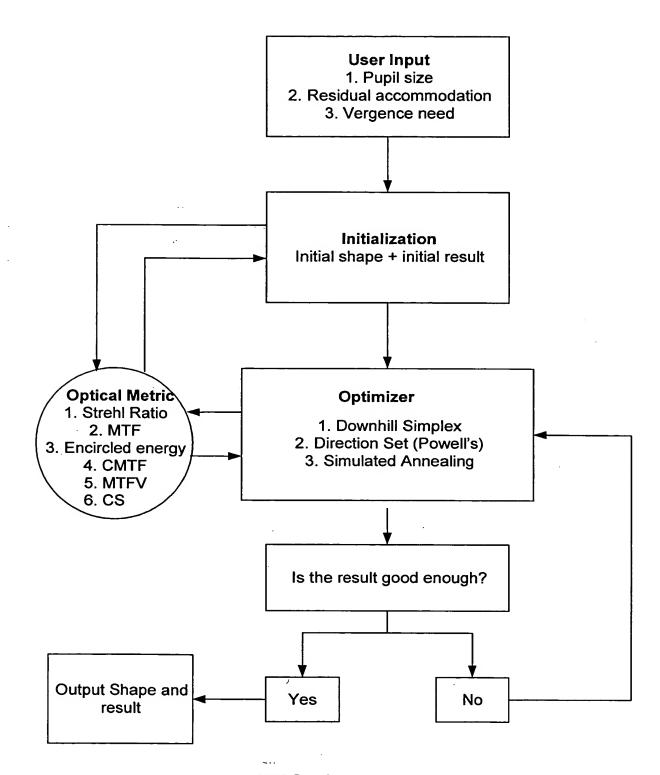
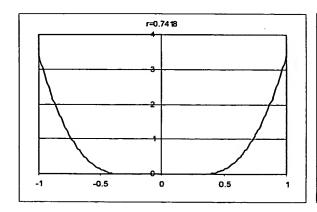


FIG. 3



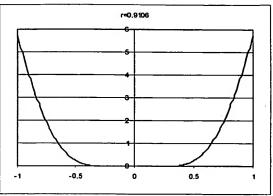
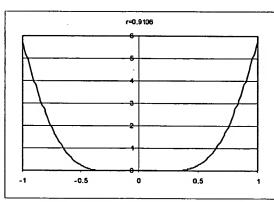
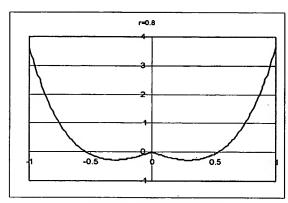


FIG. 4

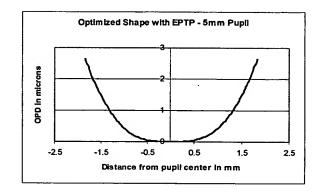






Normal Polynomials

FIG. 5A



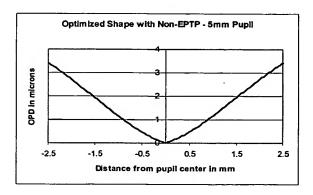
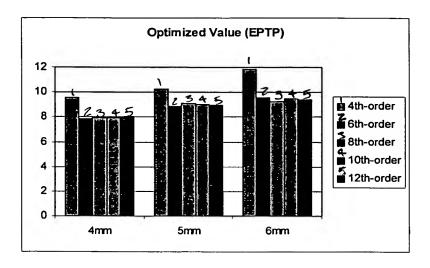
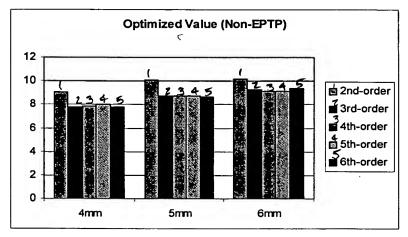


FIG. 5B

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Comparison of the optimizer value using EPTP and non-EPTP (i.e., all power terms) for pupil sizes of 4mm, 5mm, and 6mm.

FIG. 5C

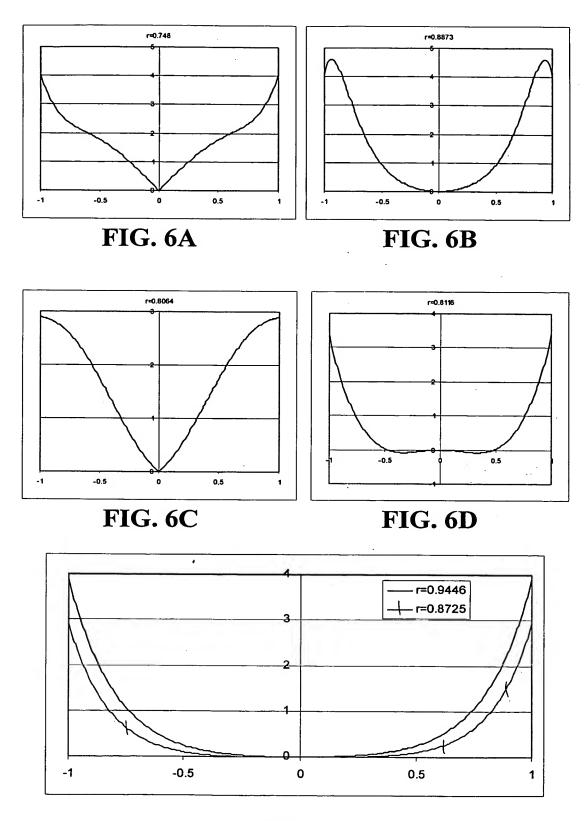


FIG. 7

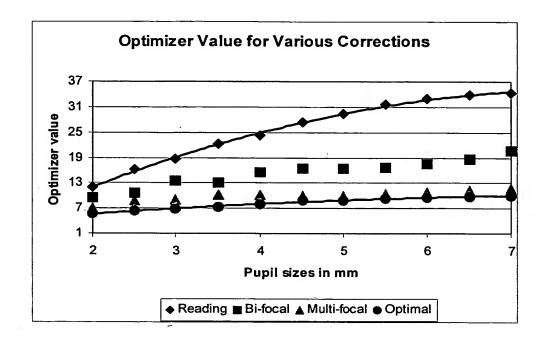


FIG. 8A

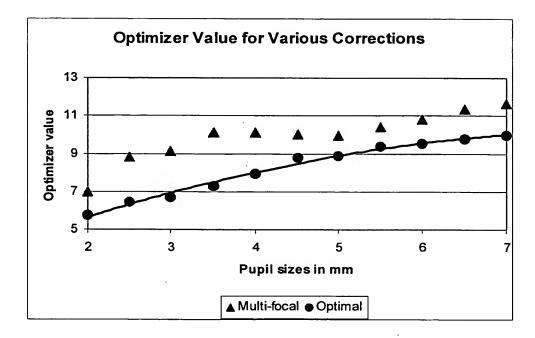


FIG. 8B

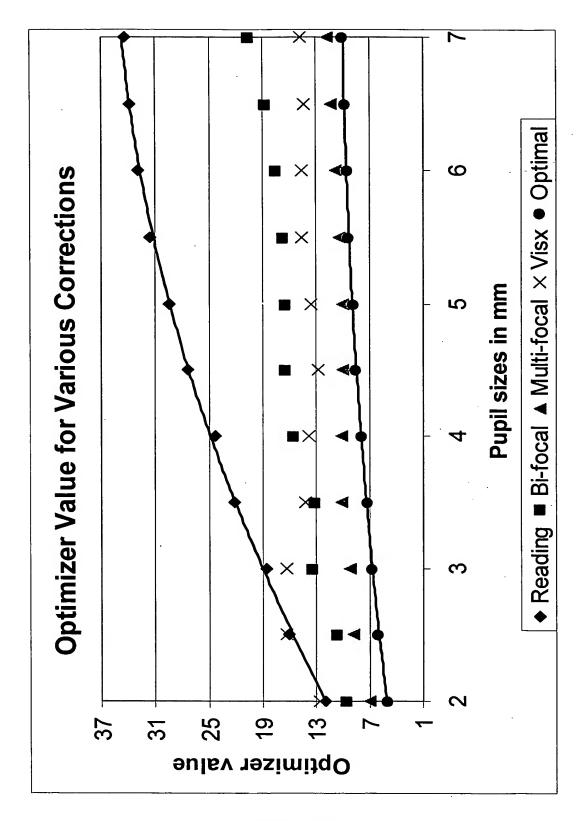


FIG. 8C

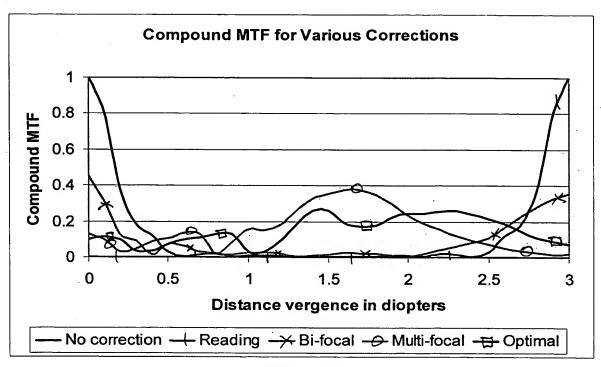


FIG. 9A

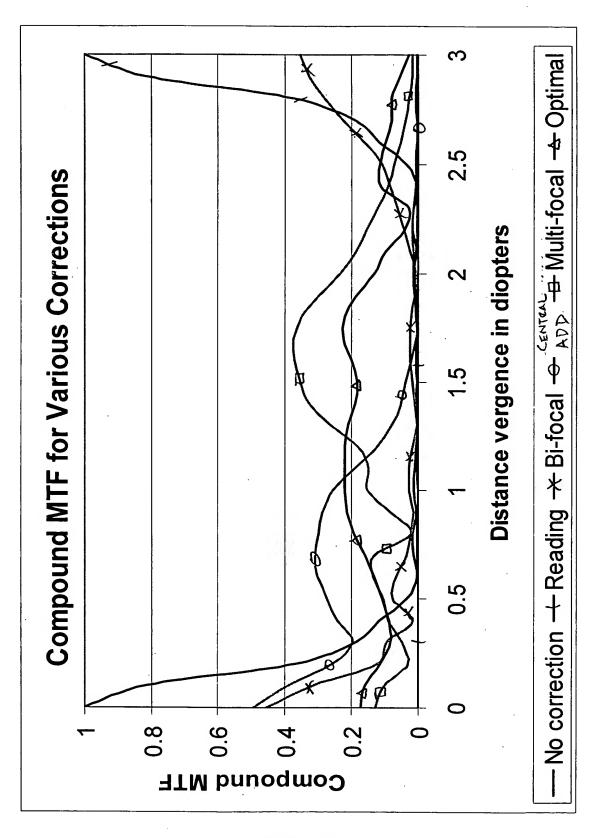


FIG. 9B

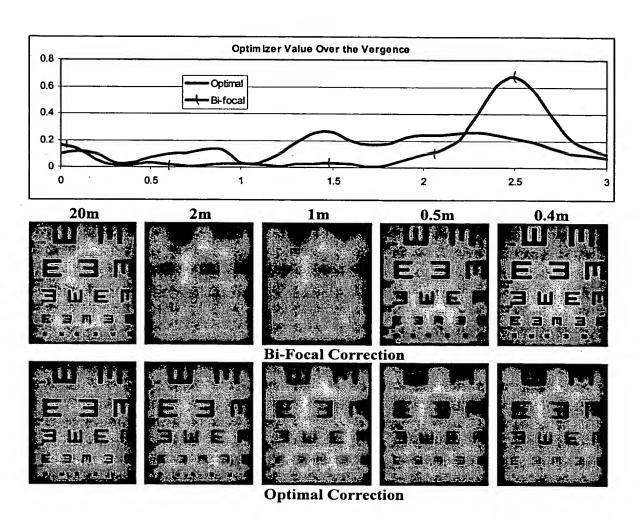


FIG. 9C

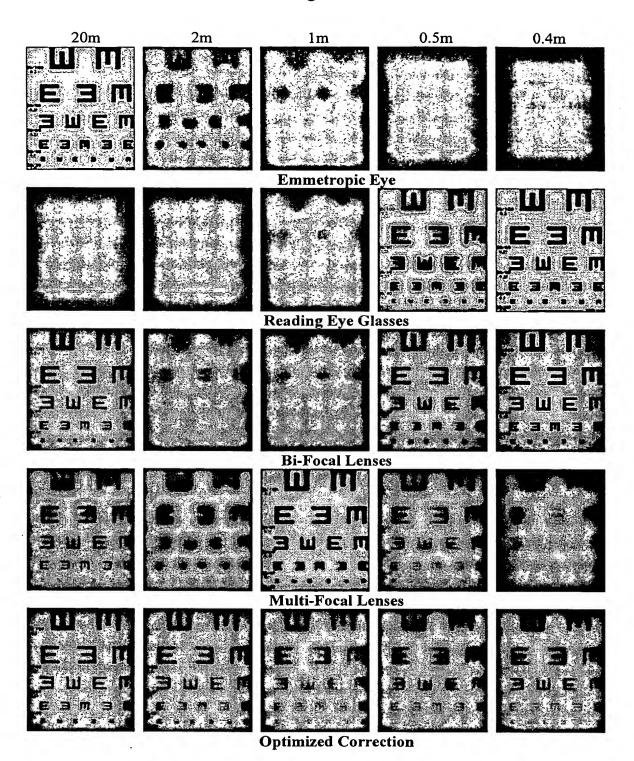
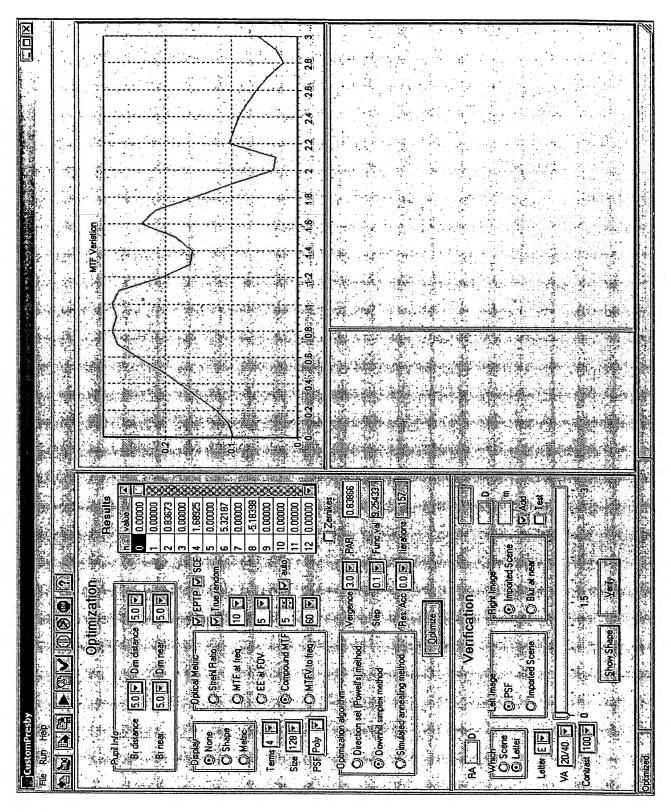
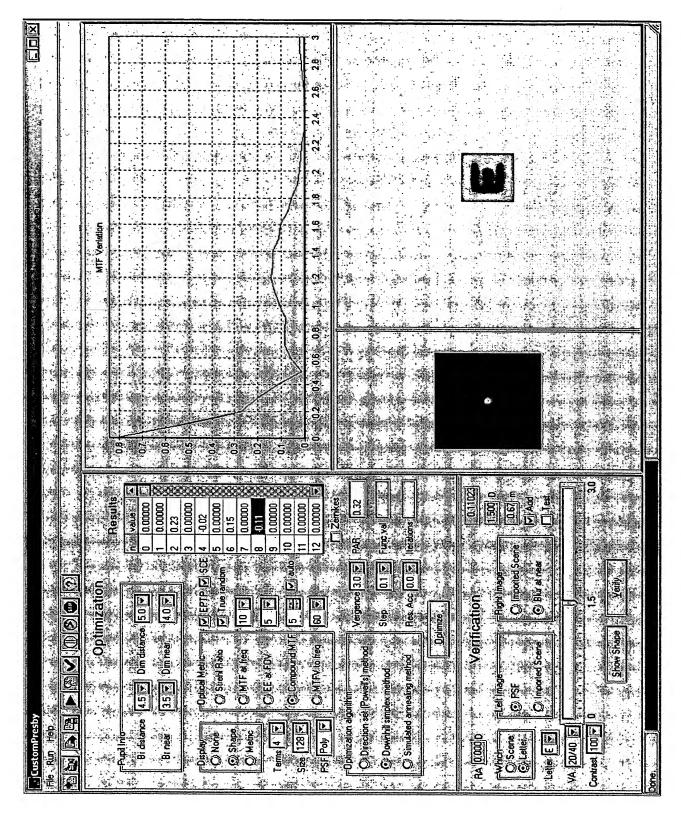


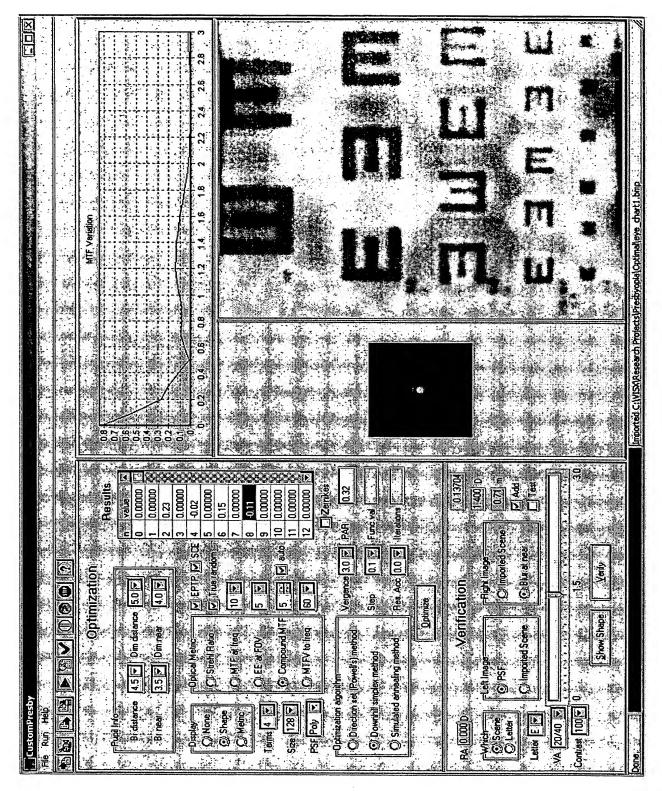
FIG. 10



Optimization Interface FIG. 11



Verification: Single Letter FIG. 12



Verification: Entire Eye Chart FIG. 13

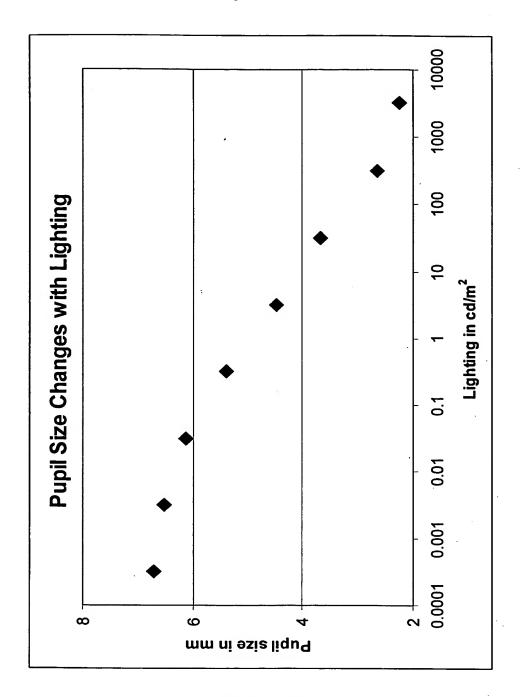


FIG. 14

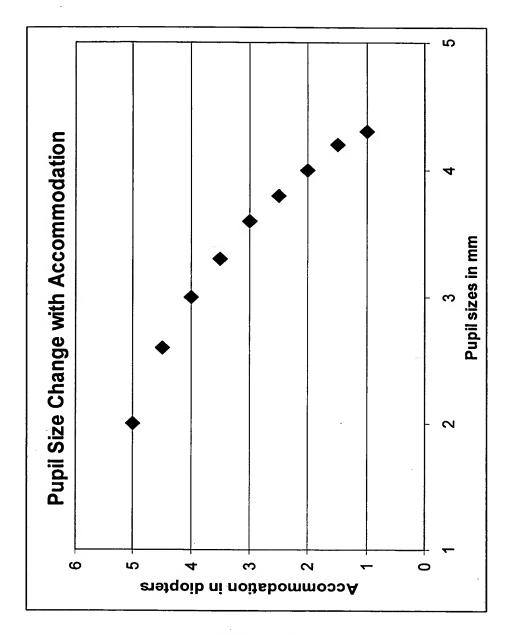


FIG. 15

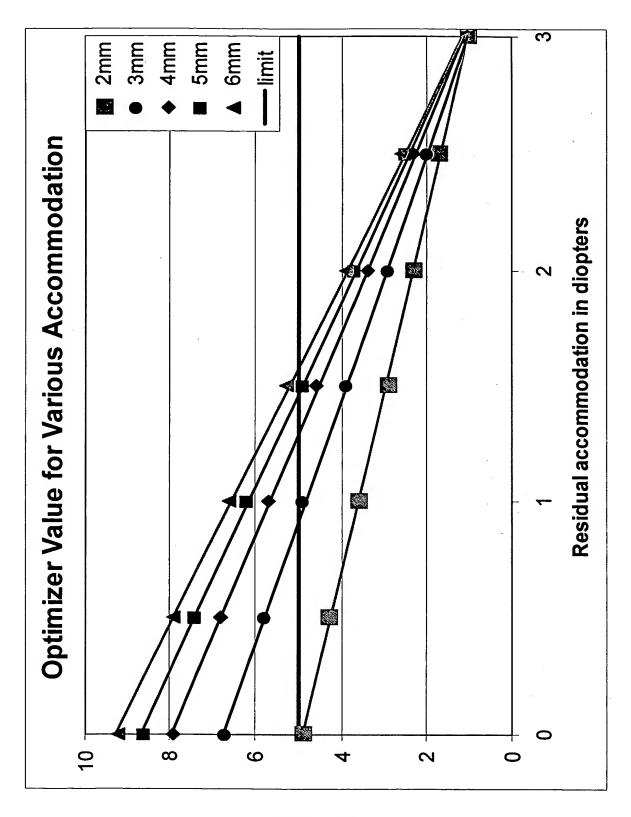


FIG. 16

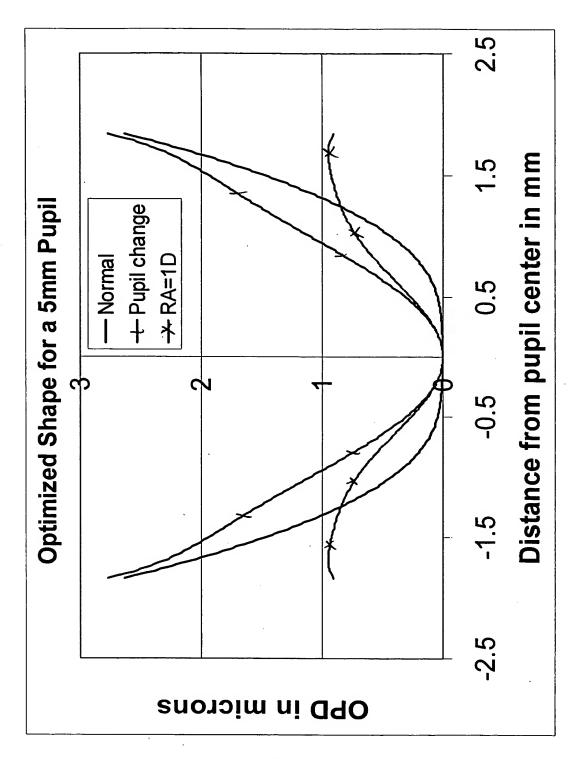


FIG. 17

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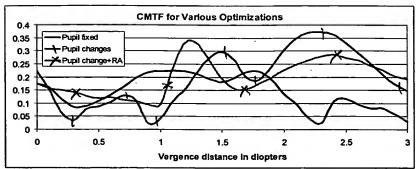


Fig. 18A

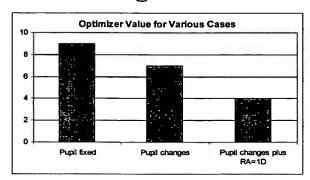
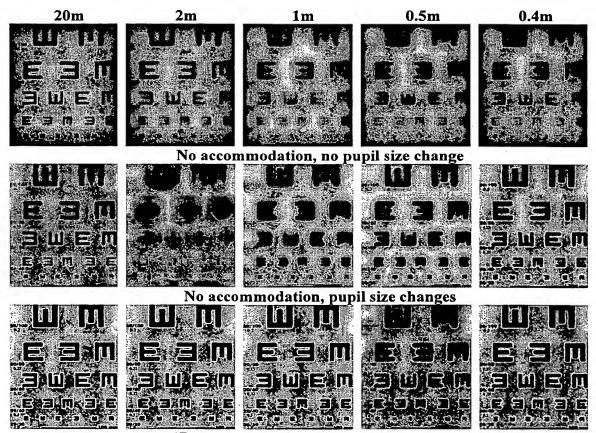
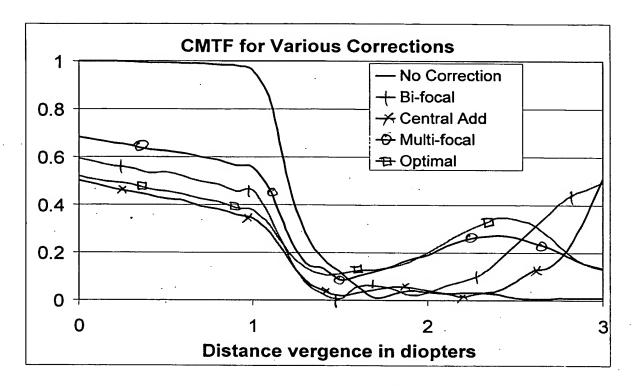


Fig. 18B



1D accommodation with pupil size change

Fig. 18C



Compound MTF (CMTF) with different corrections.

Fig. 19

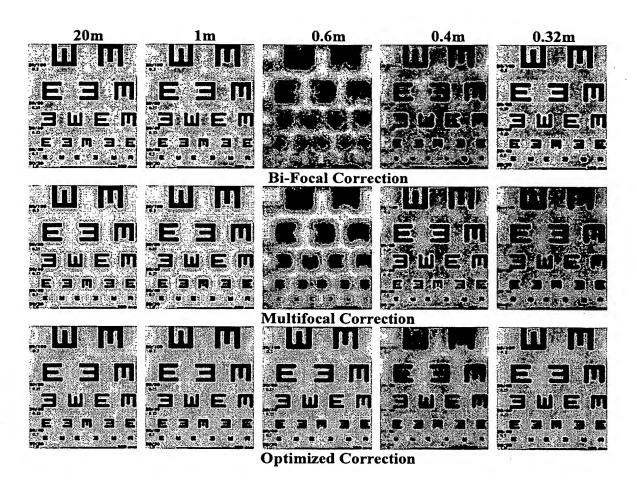


FIG. 20

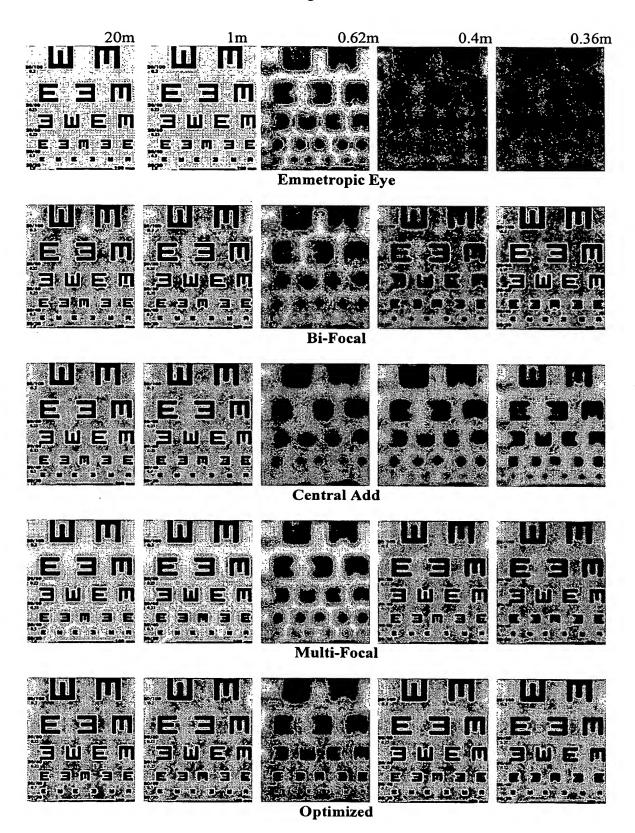


FIG. 21

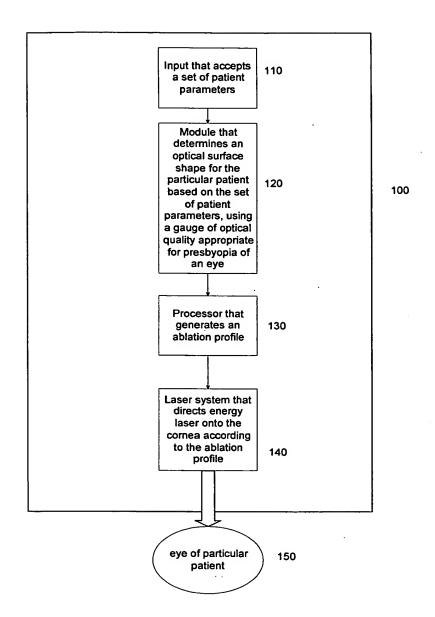


FIG. 22

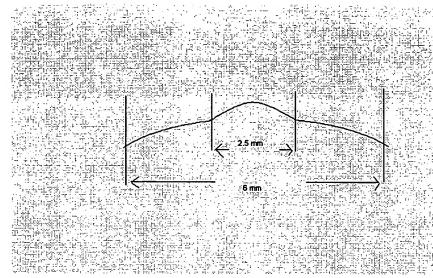


FIG. 23

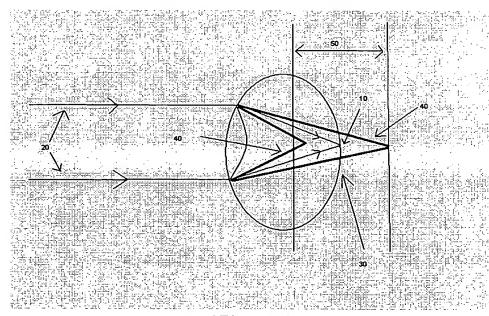


Fig. 24

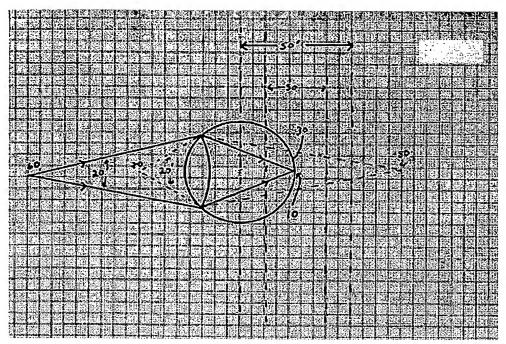


Fig. 25

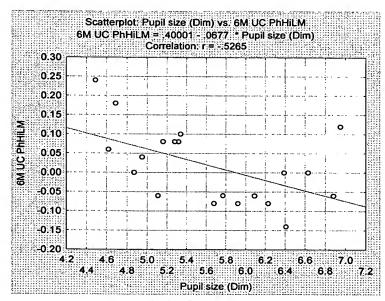


FIG. 26

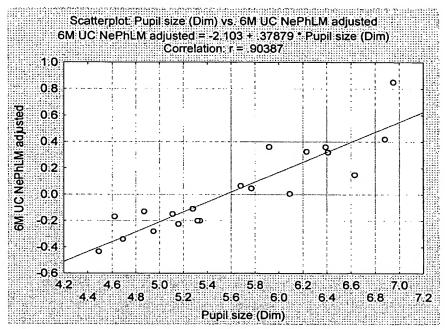


FIG. 27

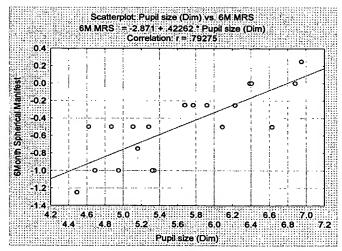
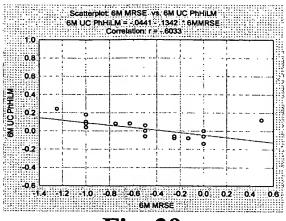


Fig. 28



Scatterplot; 6M MRSE: vs. 6M UC NePhLM adjusted:
6M UC NePhLM adjusted = 34483 ¥ 67328 * 6MMRSE

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Fig. 29

Fig. 30

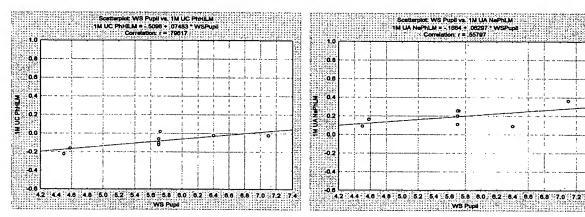


Fig. 31

Fig. 32

Group two Near and Distance acuity

These patients have the pupil ratio adjustments. The lines have rotated. Exemplary ideal cases are when the acuities are independent of the pupil size. The values for near acuities are almost independent of pupil size, where there is a small decrease in acuity of larger pupil sizes.

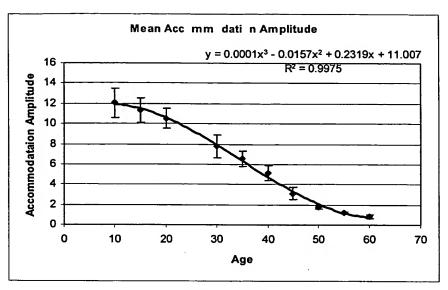
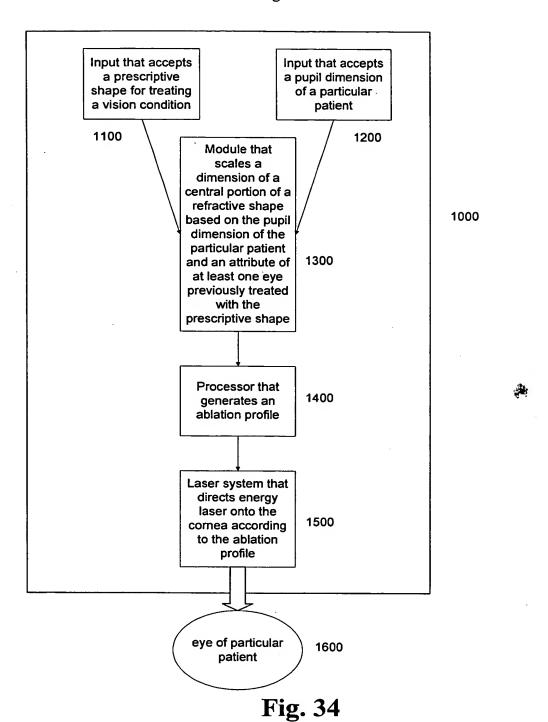


Fig. 33



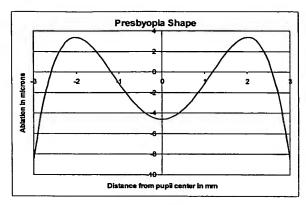
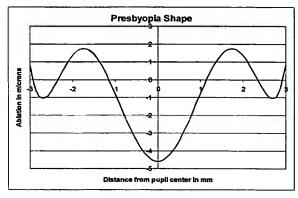


Fig. 35
2-Term solution: presbyopia shape

Fig. 36
2-Term Solution: Effective power over a range of pupil sizes
(4.5mm to 6mm).



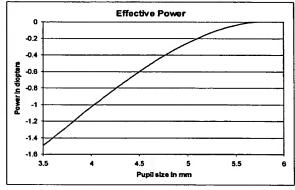
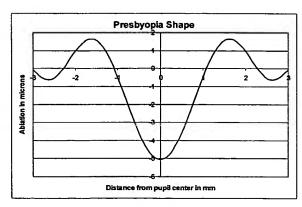


Fig. 373-Term solution: presbyopia shape

Fig. 38
3-Term solution: effective power over a range of pupil sizes (3.5mm to 6mm).



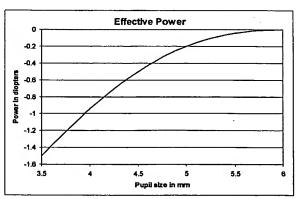


Fig. 39
4-Term solution: presbyopia shape

Fig. 40
4-Term solution: effective power over a range of pupil sizes (3.5mm to 6mm).

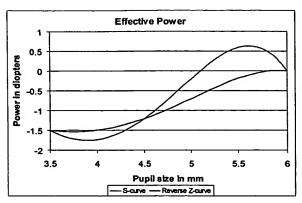
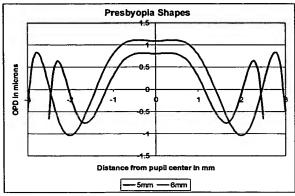
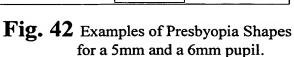


Fig. 41A
Unfavorable S-curve and the favorable reverse Z-curve: effective power

Fig. 41B
Unfavorable S-curve and the favorable reverse Z-curve: presbyopia shapes





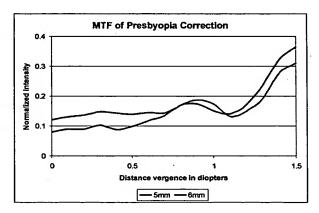


Fig. 43 Examples of Modulation
Transfer Function (MTF) for a 5mm and a 6mm pupil.

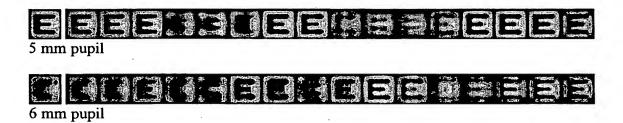


Fig. 44

